

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (previously presented) A composition of compounds effective for treating a pathology, said composition comprising a combination of at least two compounds that modulate the activity of one or more target molecules associated with one or more Single Nucleotide Polymorphisms (SNPs), wherein each compound modulates the activity of at least one target molecule associated with one or more SNPs, and wherein said combination is effective for at least one patient having said pathology.

Claim 2. (Original) The composition of claim 1 wherein said combination is effective for at least 1% of patients having said pathology.

Claim 3. (Original) The composition of claim 1 wherein said combination is effective for at least 25% of patients having said pathology.

Claim 4. (Original) The composition of claim 1 wherein said combination is effective for at least 50% of patients having said pathology.

Claim 5. (Original) The composition of claim 1 wherein said combination is effective for at least 75% of patients having said pathology.

Claim 6. (Original) The composition of claim 1 wherein said combination is effective for at least 90% of patients having said pathology.

Claim 7. (Original) The composition of claim 1 wherein said compound interacts with said target molecule at a position corresponding to said SNP or at a position corresponding to a residue encoded by a codon comprising said SNP.

Claim 8. (Original) The composition of claim 1 wherein said composition comprises at least three compounds.

Claim 9. (Original) The composition of claim 1 wherein said composition comprises at least four compounds.

Claim 10. (Original) The composition of claim 1 wherein said composition comprises at least five compounds.

Claim 11. (Original) The composition of claim 1 wherein said composition comprises at least six compounds.

Claim 12. (Original) A composition of compounds effective for treating a pathology, said composition comprising at least two compounds that modulate the activity of at least one target molecule associated with at least one SNP, wherein said combination is effective for at least one patient having said pathology.

Claim 13. (Original) The composition of claim 12 wherein the modulation effect of each compound is correlated with the presence of the same SNP associated with the same target molecule.

Claim 14. (Original) The composition of claim 12 wherein the modulation effect of each compound is correlated with the presence of a mutually exclusive SNP associated with the same target molecule.

Claim 15. (Original) The composition of claim 14 wherein said mutually exclusive SNPs occur in a single patient.

Claim 16. (Original) The composition of claim 14 wherein said mutually exclusive SNPs occur in a plurality of patients.

Claim 17. (currently amended) The composition of claim 12 ~~further comprising observing wherein modulation effects of said compounds and correlating said modulation effects~~ have been correlated with the presence of a SNP on at least two target molecules.

Claim 18. (Original) The composition of claim 17 wherein at least one target molecule is associated with at least two SNPs.

Claim 19. (Original) The composition of claim 18 wherein at least two target molecules are associated with at least two SNPs.

Claim 20. (previously presented) A composition of compounds effective for treating a pathology, said composition comprising a combination of at least two compounds that modulate the activity of a single target protein associated with one or more SNPs, wherein said combination is stably effective for at least one patient having said pathology.

Claim 21. (currently amended) The composition of claim 20 ~~further comprising observing wherein~~ modulation effects of said compounds ~~and correlating said modulation effects~~ have been correlated with the presence of the same SNP associated with said target protein.

Claim 22. (Original) The composition of claim 20 wherein the modulation effect of each compound is correlated with the presence of a mutually exclusive SNP associated with said target protein.

Claim 23. (Original) The composition of claim 20 wherein said composition comprises at least three compounds.

Claim 24. (Original) The composition of claim 20 wherein said composition comprises at least four compounds.

Claim 25. (Original) The composition of claim 20 wherein said combination is stably effective for at least 50% of patients having said pathology.

Claim 26. (Original) The composition of claim 20 wherein said combination is stably effective for at least 75% of patients having said pathology.

Serial No. 10/034,882

· Claim 27. (Original) The composition of claim 20 wherein said combination is stably effective for at least 90% of patients having said pathology.

Claims 28-59 (Canceled)